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all indicative of an "artistic eye"; and that the narrowing of the vane at the subsequently denuded portion of the retrix is but one feature of the degeneration of that part of the feather, rather than the result of voluntary mutilation carried on thru many generations.

It is a subject of great interest, most attractively presented, and to the reviewer at least, the conclusions are most convincingly demonstrated.—H. S. S.

MINUTES OF COOPER CLUB MEETINGS

NORTHERN DIVISION

NOVEMBER.—The November meeting of the Northern Division of the Club was held on Saturday evening, November 20, at Berkeley, in the lecture room of the Museum of Vertebrate Zoology. The meeting was called to order by President W. K. Fisher. The minutes of the October meeting were read and approved as read. A communication from Mr. Wm. Dutcher, of the Audubon Society, was read and placed on file. The resignation of Dr. Lu Ella Cool Walker was read, and on motion was accepted. The motion was made and carried that the Club hold an annual dinner.

Nominations for officers for 1910 were declared in order and the following nominations were made: President, J. Grinnell; Senior Vice-president, R. S. Wheeler; Junior Vice-president, J. Dixon; Secretary, H. W. Carriger; Treasurers, J. Eugene Law and W. Lee Chambers.

Mr. Grinnell gave a very interesting talk on the Gray Vireo and the Dusky Warbler, illustrated by skins of the warbler, and nests, eggs, skins, and photographs of the vireo. Mr. J. Mailliard, who has been working on the Tricolored Blackbird, gave a talk on the subject, illustrated by a number of skins. Adjourned.—H. W. CARRIGER, *Secretary*.

JANUARY.—The January meeting of the Northern Division of the Club was held on Saturday evening, January 22, in the lecture room of the Museum of Vertebrate Zoology. The meeting was called to order with Senior Vice-president W. P. Taylor in the chair, and the following members present: J. Grinnell, L. M. Loomis, E. W. Gifford, Ernest Mailliard, Joseph Mailliard, H. S. Swarth, J. Dixon, M. Ray, O. Heinemann, and H. W. Carriger. Messrs. H. C. Bryant, R. P. Shields, and H. C. Tracy were present as visitors. The minutes of the last meeting were read and approved as read. A motion was made and carried that the Secretary cast the unanimous ballot of those present electing to active membership the following, whose names were presented at our last meeting: John J. Dagleish, Morton E. Peck, Earle R. Forrest, F. B. McKennie, E. Arnold, and L. B. Howsley.

The following names were proposed for membership by W. L. Chambers: C. S. Day, West Roxberg, Mass.; W. C. Braislins, Brooklyn, N. Y.; V. Burtsch, Branchport, N. Y.; F. S. Wright, Auburn, N. Y.; C. J. Pennock, Kennett Square, Penn.; B. S. Bowdish, Damarest, N. J.; B. A. Arnold, Albany, N. Y.; W. L. Burnett, Loveland, Col. Also G. R. Rossignoe, Jr., Savannah, Ga. by H. F. Duprey; H. L. Bigelow, Chestnut Hill, Mass., and C. I. Clay, Eureka, Cal., by H. W. Marsden; Dr. F. H. Knowlton, U. S. National Museum, by C. W. Richmond; Coleman Jonas, Denver, Col., by R. B. Rockwell; and C. L. Dewey, Whitestone, Long Island, N. Y., by H. S. Swarth.

Nominations for officers for 1910 were declared open. There being no further nominations the election was proceeded with, after which the chair declared the following elected: President, J. Grinnell; Senior Vice-president, R. S. Wheeler; Junior Vice-president, J. Dixon; Secretary, H. W. Carriger; Treasurers, J. E. Law, and W. L. Chambers. The chair was then taken by Mr. Grinnell. The resignation of F. B. Rodolph was presented, and accepted. A proposal to elect Dr. J. A. Allen to honorary membership in the Club was presented, signed by seven active members.

A report from Mr. W. Lee Chambers was read and accepted, and the Secretary was instructed to write Mr. Chambers extending the thanks of the Club for the able work he has done. A letter from Mr. Wm. Dutcher of the Audubon Society was read, relative to the alleged destruction of sea birds on the Farallones by dogs belonging to the light-house keepers, and the Secretary offered to attempt to secure further information on the subject.

Mr. Joseph Mailliard read an interesting paper on the blackbirds of California, illustrated by photographs and specimens, which was afterward discuss by the members present. (See *antea*, p. 63.) Adjourned.—H. W. CARRIGER, *Secretary*.

SOUTHERN DIVISION

JANUARY.—The January meeting of the Southern Division of the Cooper Ornithological Club was held on Thursday, January 27, 1910 at Room 1, City Hall, Los Angeles. The meeting was called to order by President Morcom and in the absence of Secretary Law, Howard Robertson was elected Secretary pro tem. The minutes of the December meeting were read and approved. Allyn G. Smith, Redlands, California, was duly elected to active membership. The name of Gaylord K. Snyder, Stanford University, California, was proposed for membership by V. W. Owen. The resignation of Lester Black of Bloomington, Indiana, was read and action thereon was postponed until the February meeting.

The following officers were duly elected to serve during 1910; President, G. Frean Morcom, Vice-president, H. J. Lelande, Secretary, J. E. Law, Treasurer, W. Lee Chambers.

A communication from Joseph Grinnell relating to the revision of the "List of Birds of the Pacific Slope of Los Angeles County, California", wherein a proposed plan for such revision was suggested, was read and discussed. Upon motion of Mr. Robertson, seconded by Mr. O. W. Howard and duly carried, the President appointed a committee of three consisting of Messrs. Robertson, Willett and Miller to devise a plan for the revision of the aforesaid list and submit the same for consideration at the February meeting.

Mr. A. M. Ingersoll spoke of the collecting of various species of the rarer birds of San Diego County, notably the Black Rail, and after informal discussion the meeting adjourned.

HOWARD ROBERTSON, *Secretary pro tem.*

FEBRUARY.—The February meeting of the Southern Division of the Cooper Club was held on Thursday evening, February 24, 1910, at Room 1, City Hall, Los Angeles. The meeting was called to order by President Morcom, with the following members present:—Messrs. Childs, Lelande, Willett, Robertson, Miller, Owen, Davis, Antonin Jay, Alphonse Jay, Chamberlain, Perez, Shepherdson, Van Rossem, Blain, Peyton, Osburn, Law, and with Howard Peyton, as visitor.

The minutes of the January meeting were read and approved. On motion by Mr. Willett, seconded by Mr. Miller, and duly carried, the Secretary was instructed to cast the unanimous ballot of those present, electing to active membership Mr. Gaylord K. Snyder. On motion by Mr. Robertson, seconded by Mr. Willett, and duly carried, the resignations of Messrs. Lester Black and C. H. Gilbert, were accepted with regret. The following applications for membership were presented by W. Lee Chambers: Bradford Torrey, Santa Barbara, California, H. C. Burt, Santa Paula, California, John C. Fortiner, Jr., Brawley, California. On motion by Mr. Robertson, seconded by Mr. Chamberlain, and duly carried, the Southern Division approved the election of Dr. J. A. Allen to honorary membership in the Club. Mr. Robertson, Chairman of the Committee appointed at the last meeting to consider the matter of publishing a new bird list for Southern California, reported that the Committee recommended a new list to comprise all that portion of Santa Barbara, Ventura, Los Angeles, Orange, San Diego, San Bernardino, and Riverside counties which are on the Pacific Slope of the coast ranges; and to include the islands along the coast of these counties; that the list

be segregated, one covering lowland birds, concerning which we have liberal data, and a supplementary list comprising the high mountain birds; the list not to be annotated as completely as Grinnell's San Bernardino list; and that the compilation be put in the hands of one person. The list, when completed, to be submitted to the Southern Division for discussion; and, when approved, to be issued as one of the Avifauna series of the Cooper Club. On motion by Mr. Robertson, seconded by Mr. Miller, and duly carried, it was decided to compile such a list in accordance with the above suggestions. On motion by Mr. Miller, seconded by Mr. Alphonse Jay, and duly carried, the task of compiling such list was assigned to Mr. George Willett. Mr. Willett, in accepting this undertaking, said that he would expect to call on any and all Club members for all the data of value that they had, and intended to spend some time with each one going over his collection for data of value. Mr. Willett expects that at least a year will be required in getting together sufficient data, and reviewing literature, and asks that each Club member begin right now and collect specific data with regard to migration and nesting habits for the coming season. We are particularly lacking in dates of migration and breeding.

Mr. Robertson, reporting with regard to the progress of the Southern California Museum to be erected in Agricultural Park, outlined the policy to be pursued by the Board of Supervisors, and said that the charge of the Museum would be placed in the hands of a Board of Governors to consist of nine members, to be elected by specified organizations, of which the Cooper Club was to be one. The County will make a liberal appropriation, supplying all equipment necessary, provide curators, etc., and will expect the Southern Division of the Cooper Club to take charge of the Ornithological Exhibit. On motion by Mr. Lelande, seconded by Mr. Willett, and duly carried, the President and Secretary were authorized to sign the agreement with the Board of Supervisors of Los Angeles County accepting this proposition. On motion by Mr. Lelande, seconded by Mr. Miller, and duly carried, Mr. Howard Robertson was appointed the representative of the Cooper Club on the Board of Governors for 1910. On motion by Mr. Willett, seconded by Mr. Chamberlain, and unanimously carried, a vote of thanks was extended to Mr. Robertson for his interest and activity in procuring so satisfactory an arrangement for the bird exhibit. Dr. John Hornung exhibited a small series of Mexican bird skins, altho he himself was not able to be present. Adjourned.

J. E. LAW, *Secretary.*